BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

BYATARAYANAPURA DIVISION

BYATARAYANAPURA SUB DIVISOIN

Name of the Work : **Improvement and maintainance of footpath and drains in ward no 07, Thanisandra Byatarayanapura Sub Division**

EMB
Detail Measurements

Job Code : **007-23-000006**

Scanned by CamScanner

BRUHATH BENGALURU MAHANAGARA PALIKE
Byatarayanpur Division
DETAIL MEASUREMENT
1st and Final Bill

Name of Work : Improvement and maintainance of footpath and drains in ward no 07, Thanisandra Byatarayanapura Sub Division

Est Cost Rs:-30.00 Lakhs

Job Number:- 007-23-000006, Budget Head :- P-3726

Name of agency : Sri. Vishwanath P #28/2,2nd Cross,Giddappa Block,Ganganagar,Bengaluru-560032

AS No :- AS/CE(YNK)144/2022-23, D:16-09-2022

TS No :-TS/CE(YNK)/144/2022-23, D:04-11-2022

Workorder No : EE/BTP/BBMP/E-PMT/18/2022-23 Date:04-11-2022

Sl No	Description of work	No	L	B	D	Qty	Unit	Rate	Amount
1	**Dismantling of existing structures like culverts,** bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B **Cement Concrete Grade M-15 & M-20 (PWD SR 2021-22 Vol III Pg no 8 Item No 2.7(i))**								
	Total Qty from Pre measurement page No 01				Total	31:51			
				Schedule B Qty		31.50	cum	599.19	18874.49
2	**Dismantling of existing structures like culverts,** bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead (iii) **Dismantling Stone Masonry B Rubble stone** masonry in cement mortar. (PWD SR 2021-22 Vol III Pg no 8 Item No 2.10(iv))								
	Total Qty from Pre measurement page No 1+2				Total	50.48			
				Schedule B Qty		50.40	cum	400.00	20160.00
3	**Removing & Refixing stone slabs** of drains and pointing in C.M (1:3) **Data rate**								
	Total Qty from Pre measurement page No 2				Toal	597.78			
				Schedule B Qty		577.80	sqm	100.00	57780.00
4	**Earth work excavation by manual means for drains,**canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m **(PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.1)**								
	Total Qty from Pre measurement page No 3+4				Toal	341.42			
				Schedule B Qty		340.44	cum	170.00	57874.80
5	**Providing Size Stone masonry** with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) **(PWD SR 2021-22 Vol -II Pg 9 Item No. 5.4)**								

Scanned by CamScanner

	Total Qty from Pre measurement page No 4				Total	50.87			
				Schedule B Qty		50.40	cum	4801.27	241984.01
6	**Providing and laying in position plain cement concrete** for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. **Mix 1:3:6 (M10) Using 20 mm nominal size** graded crushed coarse aggregates. Specification **(PWD SR 2021-22 Vol -I Pg 15 item no 2.1.4)**								
	Total Qty from Pre measurement page No 4+06				Total	91.30			
				Schedule B Qty		91.29	cum	5200.00	474708.00
7	**Providing and Fixing pre cast covering Slab 100mm** thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. **(Data Rate)**								
a	Indra canteen road Drain L/s	1	12.00	0.90		10.80			
		1	15.00	0.90		13.50			
		1	12.00	0.90		10.80			
		1	14.00	0.90		12.60			
		1	13.00	0.90		11.70			
b	Indra canteen road Drain R/s	1	12.00	0.90		10.80			
		1	10.00	0.90		9.00			
		1	12.00	0.90		10.80			
		1	10.00	0.90		9.00			
c	Wajid Layout 2nd cross	1	30.00	0.90		27.00			
		1	28.00	0.90		25.20			
		1	26.00	0.90		23.40			
		1	28.00	0.90		25.20			
		1	30.00	0.90		27.00			
		1	30.00	0.90		27.00			
d	Thanisandra village	1	25.00	0.90		22.50			
		1	20.00	0.90		18.00			
		1	25.00	0.90		22.50			
e	Prashantinagar 2nd main road	1	25.00	0.90		22.50			
		1	26.00	0.90		23.40			
		1	28.00	0.90		25.20			
		1	28.50	0.90		25.65			
					Total	413.55	sqm	1424.00	588895.20
8	**Providing and Fixing Pre cast covering Slab 230mm** thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. **(Data Rate)**								
a	Culvert slabs								

04.05.2022

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanpura Sub Division

Scanned by CamScanner

	1st Cross Hegdenagar	1	7.40	1.20		8.88			
	2nd Cross Hegdenagar	1	8.00	1.20		9.60			
	3rd Cross Hegdenagar	1	7.40	1.20		8.88			
	4th Cross Hegdenagar	1	7.90	1.20		9.48			
	5th Cross Hegdenagar	1	7.40	1.20		8.88			
	6th Cross Hegdenagar	1	8.00	1.20		9.60			
	7th Cross Hegdenagar	1	7.40	1.20		8.88			
	8th Cross Hegdenagar	1	7.40	1.20		8.88			
	9th Cross Hegdenagar	1	7.80	1.50		11.70			
	2nd Cross Hegdenagar	1	6.10	1.20		7.32			
	3rd Cross Hegdenagar	1	7.40	1.20		8.88			
b	Missing slabs	1	5.00	1.20		6.00			
		1	3.00	1.20		3.60			
					Total	**110.58**			
				Schedule B Qty		**110.40**	**sqm**	**4800.00**	**529920.00**
	Assistant Engineer Ward No. 06					Assistant Executive Engineer Byatarayanpura Sub Division			
9	**Loading and Unloading** of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)								
	Qty as per It No 4				Toal	**340.44**			
				Schedule B Qty		**340.44**	**cum**	**77.00**	**26213.88**
10	**Cost of Haulage Excluding Loading and Unloading** Taking output 18 t load and lead 10 km = 180 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4B)								
	Total Qty as per It No 4				Toal	**340.44**			
				Schedule B Qty		**340.44**	**cum**	**100.00**	**34044.00**
			Round off.		2050000	**Sub Total**			**2050454.00**
			GST 18%.		369000	**GST 18%**			**369082.00**
					2419000	**Grand Total**			**2419536.00**

Assistant Engineer
Ward No. 06

Assistant Executive Engineer
Byatarayanpura Sub Division

(Comtractor)

Scanned by CamScanner